

IGNITION COIL WITH OPTIMIZED
THERMAL STRESS RELAXING MEMBER

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ABSTRACT OF THE DISCLOSURE

10 An ignition coil comprises a housing, a rod-shaped
center core 54 arranged substantially at the center
within the housing, a thermal stress relaxing member 52
covering the outer circumferential surface of the center
core 54, a cylindrical spool 4 arranged on the outer
circumferential side of the thermal relaxing member 52
15 with a gap 9 in between and a resin insulating material
8a with which the gap 9 is filled and which hardens. The
thermal stress relaxing member 52 is wound around the
center core 54 and the thickness of the thermal stress
relaxing member 52 is set to a thickness so that the
20 thermal stress, which is caused by the thermal
deformation of the center core 54 and is applied to the
resin insulating material 8a, is reduced and reaches a
saturation value thereof.